

FORM PTO-1390  
(REV. 01-2003)

US DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER  
123991

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)  
10/535,731

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED  
November 25, 2002

**TITLE OF INVENTION**

TIRE BUILDING SYSTEM, TIRE MANUFACTURING SYSTEM HAVING THE SAME, AND TIRE MANUFACTURING METHOD

**APPLICANT(S) FOR DO/EO/US**

Naruhiko AKIYAMA; Yuichiro OGAWA; Masataka MINAKAWA

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
  - c. ☐ The International Application was filed in English.
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventors (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☒ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Notification of Missing Requirements

|  |              |                               |   |                                       |    |
|--|--------------|-------------------------------|---|---------------------------------------|----|
| U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)<br>10/535,731   |              | INTERNATIONAL APPLICATION NO. |   | ATTORNEY'S DOCKET NUMBER<br>123991    |    |
| 21. <input type="checkbox"/> The following fees are submitted:   |              |                               |   | <b>CALCULATIONS      PTO USE ONLY</b> |    |
|  |              |                               |   |                                       |    |
| BASIC NATIONAL FEE (37 CFR 1.492(a)):  |              |                               |   | \$ 300.00                             | \$ |
| SEARCH FEE (37 CFR 1.492(b)(1)-(3)):   |              |                               |   |                                       | \$ |
| International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage.....  |              |                               |   | \$ 0.00                               |    |
| International search fee (37 CFR 1.445(a)(2)) paid to USPTO as ISA.....  |              |                               |   | \$ 100.00                             |    |
| International search report provided to USPTO no later than the time at which the search fee is paid .....   |              |                               |   | \$ 400.00                             |    |
| All situations not provided for above .....  |              |                               |   | \$ 500.00                             |    |
| EXAMINATION FEE (37 CFR 1.492(c)(1)-(2)):  |              |                               |   |                                       | \$ |
| International preliminary examination report or written opinion prepared by the USPTO as IPEA or ISA and favorable as to novelty, inventive step, and industrial applicability for all claims presented in the application entering the national stage .....   |              |                               |   | \$ 0.00                               |    |
| All situations not provided for above .....  |              |                               |   | \$ 200.00                             |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |                               |   | \$130.00                              |    |
| TOTAL PAGES OF APPLICATION OVER 100 ( - 100)   | ÷ 50         | = †                           | x 250 =   | \$                                    |    |
| †round up to next integer  |              |                               |   |                                       |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA                  | RATE  | \$                                    |    |
| TOTAL CLAIMS   | - 20         | =                             | x 50.00 =   | \$                                    |    |
| INDEPENDENT CLAIMS   | - 3          | =                             | x 200.00 =  | \$                                    |    |
| MULTIPLE DEPENDENT CLAIM(S)(if applicable)   |              |                               | + 360.00 =  | \$                                    |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |                               |   | \$130.00                              |    |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |                               |   | \$                                    |    |
| <b>SUBTOTAL =</b>  |              |                               |   | \$130.00                              |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |                               |   |                                       |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |                               |   | \$130.00                              |    |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +   |              |                               |   | \$                                    |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |                               |   | \$130.00                              |    |
|  |              |                               |   | Amount to be refunded:                | \$ |
|  |              |                               |   | charged:                              | \$ |
| a. <input checked="" type="checkbox"/> Check No. 175519 in the amount of \$130.00 to cover the above fees is enclosed.<br>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 15-0461. A duplicate copy of this sheet is enclosed.<br>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038. |              |                               |   |                                       |    |
| <b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.  |              |                               |   |                                       |    |
| SEND ALL CORRESPONDENCE TO:<br>OLIFF & BERRIDGE, PLC<br>Customer Number: 25944   |              |                               |   |                                       |    |
| Date <u>January 23, 2006</u>   |              |                               | NAME: James A. Oliff<br>REGISTRATION NUMBER: 27,075   |                                       |    |
|  |              |                               | NAME: Linda M. Saltiel<br>REGISTRATION NUMBER: 51,122 |                                       |    |

01/25/2006 LINDA M. SALTIEL 00000016 10535731

01 FC:1617 130.00 OP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Naruhiro AKIYAMA et al.

Attn: PCT Branch

Application No.: 10/535,731

Docket No.: 123991

Filed: November 25, 2003

For: TIRE BUILDING SYSTEM, TIRE MANUFACTURING SYSTEM HAVING THE  
SAME, AND TIRE MANUFACTURING METHOD

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**  
**UNDER 35 U.S.C 371 IN THE UNITED STATES DESIGNATED/**  
**ELECTED OFFICE (DO/EO/US) WITH DECLARATION**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C 371 in the United States Designated/Elected Office (DO/EO/US) (copy attached) mailed on November 22, 2005, submitted herewith is the executed Declaration of the inventors. Any specification attached to and referenced in the Declaration is a copy of the specification and any amendments thereto which were filed in the Office in order to obtain a filing date for the application.

Attached is our Check No. 175519 for ☒\$130.00 ☐\$65.00 (entitlement to small entity status is asserted) for the fee under 37 C.F.R. §1.492(e).

Entry of these documents should complete all of the filing formalities and fully satisfy all requirements of the Notification of Missing Requirements. Accordingly, prompt issuance of a Notification of Acceptance and Official Filing Receipt, and prompt examination and allowance of this application are respectfully solicited.

The Director is hereby authorized to charge any additional fee (or credit any overpayment) associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of this paper are attached.

Respectfully submitted,



James A. Oliff  
Registration No. 27,075

Linda M. Saltiel  
Registration No. 51,122

JAO:LMS/sla

Date: January 23, 2006

**OLIFF & BERRIDGE, PLC**  
**P.O. Box 19928**  
**Alexandria, Virginia 22320**  
**Telephone: (703) 836-6400**

|  |
|--|
| <p>DEPOSIT ACCOUNT USE<br/>AUTHORIZATION<br/>Please grant any extension<br/>necessary for entry;<br/>Charge any fee due to our<br/>Deposit Account No. 15-0461</p> |
|--|

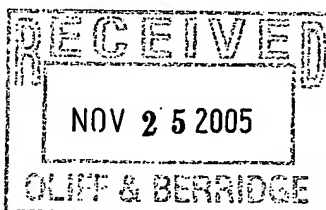


## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

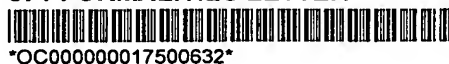
|   |   |                            |
|---|---|----------------------------|
| U.S. APPLICATION NUMBER NO.<br>10/535,731 | FIRST NAMED APPLICANT<br>Naruhito Akiyama | ATTY. DOCKET NO.<br>123991 |
|---|---|----------------------------|

25944  
OLIFF & BERRIDGE, PLC  
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ALEXANDRIA, VA 22320



|   |               |
|---|---------------|
| INTERNATIONAL APPLICATION NO.<br>PCT/JP03/15034 |               |
| I.A. FILING DATE<br>11/25/2003                  | PRIORITY DATE |

CONFIRMATION NO. 7702  
371 FORMALITIES LETTER



\*OC000000017500632\*

Date Mailed: 11/22/2005

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 05/20/2005
- English Translation of the IA filed on 05/20/2005
- Copy of the International Search Report filed on 05/20/2005
- Preliminary Amendments filed on 05/20/2005
- Information Disclosure Statements filed on 05/20/2005
- U.S. Basic National Fees filed on 05/20/2005
- Priority Documents filed on 05/20/2005

**DUE DATE**

**JAN 22 2006**

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

A copy of this notice **MUST** be returned with the response.

**DOCKETED**  
By fmp on 11/25 2005  
and  
By TML on 11/25 2005  
Oliff & Berridge

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/535,731                  | PCT/JP03/15034                | 123991           |

FORM PCT/DO/EO/905 (371 Formalities Notice)